

Appl. No. 10/084,526
Amdt. Dated August , 2004
Reply to Office Action of August 10, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A small form factor pluggable optoelectronic transceiver module comprising:

an optoelectronic subassembly for receiving and sending optical signals;

a receptacle receiving the optoelectronic subassembly and including a top surface having at least one protuberance and a bottom surface having at least two grooves;

a printed circuit board electrically contacting with the optoelectronic subassembly;

a chassis for fixing and holding the printed circuit board, a pair of depressions being defined in a rear end of the chassis;

a first housing including a top wall, a pair of forward side walls, a pair of rearward side walls, and at least one locking tab, at least one opening being defined in the top wall and engagingly receiving the at least one protuberance of the receptacle, a bottom of each forward side wall having at least one flap engaging in the grooves of the receptacle, a tab being formed at a rear end of each rearward side wall and engaging in a corresponding depression of the chassis;

a second housing fixed to the first housing by the at least one locking tab to encapsulate the printed circuit board and the chassis; and

a shielding shell attached to the printed circuit board to prevent crosstalk.

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Claim 2 (original): The module as described in claim 1, wherein the shielding shell is stamped from a single metallic plate, and includes a pair of side walls, a top cover, a rear wall and a recessed portion formed in one side wall.

Claim 3 (original): The module as described in claim 1, wherein the optoelectronic subassembly includes a laser diode and a photo diode.

Claim 4 (original): The module as described in claim 1, wherein the optoelectronic subassembly includes conductive leads soldered to the printed circuit board to establish electrical contact between the optoelectronic subassembly and the printed circuit board.

Claim 5 (original): The module as described in claim 1, wherein the at least one locking tab of the first housing includes at least one spring tongue at a center thereof.

Claim 6 (currently amended): The module as described in claim 5, wherein the second housing includes a pair of side walls, at least one opening is defined in at least one of the side walls of the second housing, and the at least one opening engagingly receives the at least one spring tongue of the at least one locking tab of the first housing.

Claim 7 (original): The module as described in claim 6, wherein the at least one protrusion is formed on at least one of the side walls of the second housing, the chassis has a pair of side walls, at least one recess is defined in at least one of the side walls of the chassis, the at least one recess receiving the at least one protrusion of the second housing.

Claim 8 (original): The module as described in claim 1, wherein a plurality of

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engaging tabs extends from the side walls, rear wall and recessed portion of the shielding shell, and the engaging tabs are engaged with the printed circuit board.

Claim 9 (previously amended): The module as described in claim 8, wherein the engaging tabs are soldered to the printed circuit board.

Claim 10 (previously amended): The module as described in claim 8, wherein the engaging tabs are engaged with the printed circuit board with conductive fiber.

Claims 11-20 (canceled)